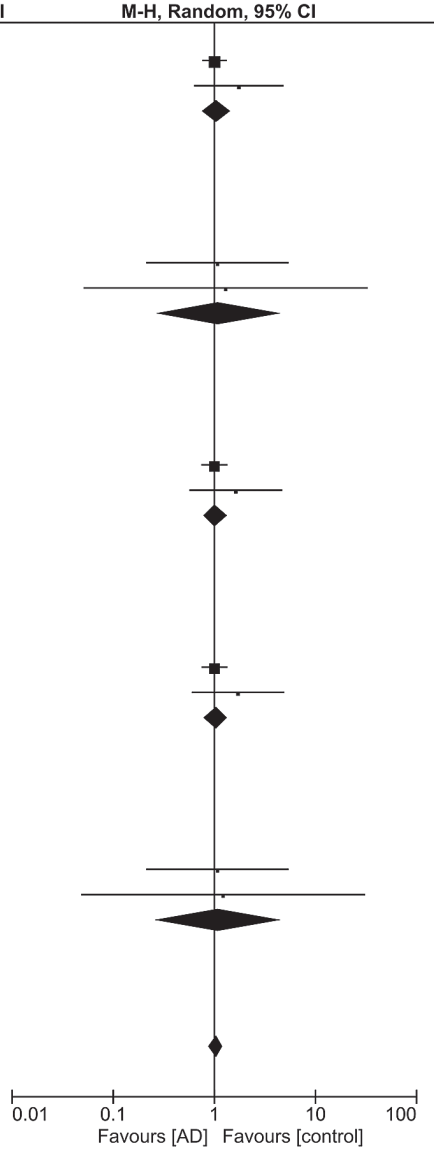
Study or Subgroup	AD Events	AD Total	Control Events	Control Total	Weight	Odds Ratio M-H, Random, 95% CI
1.3.1 G vs. C						
Ng, 2017	119	1342	127	1438	33.2%	1.00 [0.77, 1.31]
Patel, 2017	21	264	5	106	2.3%	1.75 [0.64, 4.76]
Subtotal (95% CI)		**1606**		**1544**	**35.4%**	**1.06 [0.77, 1.47]**
Total events	140		132			
Heterogeneity: Tau² = 0.01; Chi² = 1.09, df = 1 (P = 0.30); I² = 9%						
Test for overall effect: Z = 0.36 (P = 0.72)						
1.3.2 GG vs. CC						
Ng, 2017	3	558	3	598	0.9%	1.07 [0.22, 5.33]
Patel, 2017	1	113	0	48	0.2%	1.29 [0.05, 32.31]
Subtotal (95% CI)		**671**		**646**	**1.1%**	**1.11 [0.26, 4.68]**
Total events	4		3			
Heterogeneity: Tau² = 0.00; Chi² = 0.01, df = 1 (P = 0.92); I² = 0%						
Test for overall effect: Z = 0.15 (P = 0.88)						
1.3.3 CG vs. CC						
Ng, 2017	113	668	121	716	28.8%	1.00 [0.76, 1.33]
Patel, 2017	19	131	5	53	2.1%	1.63 [0.57, 4.61]
Subtotal (95% CI)		**799**		**769**	**30.9%**	**1.03 [0.79, 1.36]**
Total events	132		126			
Heterogeneity: Tau² = 0.00; Chi² = 0.78, df = 1 (P = 0.38); I² = 0%						
Test for overall effect: Z = 0.25 (P = 0.80)						
1.3.4 GG + CG vs. CC						
Ng, 2017	116	671	124	719	29.4%	1.00 [0.76, 1.32]
Patel, 2017	20	132	5	53	2.1%	1.71 [0.61, 4.83]
Subtotal (95% CI)		**803**		**772**	**31.5%**	**1.04 [0.79, 1.36]**
Total events	136		129			
Heterogeneity: Tau² = 0.00; Chi² = 0.96, df = 1 (P = 0.33); I² = 0%						
Test for overall effect: Z = 0.28 (P = 0.78)						
1.3.5 GG vs. CG + CC						
Ng, 2017	3	671	3	719	0.9%	1.07 [0.22, 5.33]
Patel, 2017	1	132	0	53	0.2%	1.22 [0.05, 30.44]
Subtotal (95% CI)		**803**		**772**	**1.1%**	**1.10 [0.26, 4.62]**
Total events	4		3			
Heterogeneity: Tau² = 0.00; Chi² = 0.01, df = 1 (P = 0.94); I² = 0%						
Test for overall effect: Z = 0.13 (P = 0.90)						
Total (95% CI)		**4682**		**4503**	**100.0%**	**1.04 [0.89, 1.21]**
Total events	416		393			
Heterogeneity: Tau² = 0.00; Chi² = 2.87, df = 9 (P = 0.97); I² = 0%						
Test for overall effect: Z = 0.51 (P = 0.61)						
Test for subgroup differences: Chi² = 0.03, df = 4 (P = 1.00), I² = 0%						



Suppl. Fig. 4. Forest plot of the AD risk related to leucine-rich repeat kinase 2 (LRRK2) rs7308720 polymorphism based on five genetic models.